

Water Audit Level 1 Validation- Validator Review & Certification Statement

Water System(s) This Audit Covers:

Public Water System Identification (PWSID)¹: CA 4010009 Water System Name City of San Luis Obispo

¹List only 1 PWSID which should match the PWSID on the FWAS Instructions Tab. For Special cases where the audit covers multiple water systems connected with permanent two-way interties, list those additional PWSIDs in the Notes below and describe the water distribution system(s) configuration.

Notes (Provided to Validator by Water System):

Audit Period:

Validation Date: 09/29/2021

Water System Representatives: Mychal Boerman (Deputy Director, Water), Nick Teague

(Water Resources), Jason Meeks (Production), Marcus Henderson (Distribution), Ryan Beech (Wastewater)

Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 56 Data Validity Band (Level): III

ILI 1.06

Real Loss: 15.47 Gal/Connections/Day

Non-revenue water as percent of cost of operating system: 2.8

Apparent Loss: 6.33 Gal/Connections/Day

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

If not, rejected recommendations are included here:

Validator Provided

Validator Information:

Water Audit Validator: Bryan Chen

Validator Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Water Audit Level 1 Validation- Water System Certification Statement

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Notes:

Water Audit & Water Loss Improvement Steps:

1. Steps Taken: Water System to identify steps taken in the preceding 3 years to increase data validity, reduce real loss, and reduce apparent loss as informed by the annual validated water audit:

- Installed, expanded, and improved a SCADA system for the water distribution system
- Calibrated or replaced water meters used to measure the "exported water" sold to Cal Poly
- Refined accounting for water that exits the water treatment plant for delivery to Cal Poly agricultural ponds
- Increased meter replacement frequency
- Continued testing of accuracy and calibration of large water meters
- Annual calibration of Water Treatment Plant effluent meters and regular recording of meter data
- Replaced several large water mains and installed new pressure reduction stations to improve pressure management

2. Planned Steps (OPTIONAL): If your audit reflects negative real losses or the cost of non-revenue water is greater than 100% of the operating costs (issues for which your audit will not meet code requirements), you will be asked what steps you are planning in the coming year to address these issues. If you already know what steps you plan to take, you may list them here. If not, please prepare a response within 90 days (23 CCR Section 638.6[a]).

Utility Provided

Certification Statement by Utility Executive

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

Executive Position

Signature

Date

ARON FLOTO

UTILITIES DIRECTOR



09/29/2021